

Storm Data and Unusual Weather Phenomena - April 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Northeast				
FAYETTE COUNTY --- 0.5 W MAYNARD [42.77, -91.88]				
	04/02/10 12:20 CST		0	Thunderstorm Wind (EG 61 kt)
	04/02/10 12:20 CST		0	Source: Amateur Radio
Amateur radio operators reported estimated wind gusts of 60 to 70 mph.				
WINNESHIEK COUNTY --- 1.0 E OSSIAN [43.15, -91.76]				
	04/02/10 12:25 CST		1K	Thunderstorm Wind (EG 52 kt)
	04/02/10 12:25 CST		0	Source: Law Enforcement
Law enforcement officials in Winneshiek county reported some power lines blown down near Ossian.				
WINNESHIEK COUNTY --- 2.1 NNE DECORAH TATRO ARPT [43.34, -91.81]				
	04/02/10 12:33 CST		1K	Thunderstorm Wind (EG 52 kt)
	04/02/10 12:33 CST		0	Source: Law Enforcement
Law enforcement officials in Winneshiek county reported trees blown down across U.S. Highway 52 at College Drive near Decorah.				
A line of thunderstorms formed along a cold front as it moved through northeast Iowa. Severe winds and heavy rainfall were produced by the storms. The winds were estimated between speeds of 60 to 70 mph creating some minor damage across parts of Winneshiek county. The fast movement of the storms prevented the heavy rain from producing any flooding.				
FAYETTE COUNTY --- 4.3 SSE ARLINGTON [42.69, -91.65]				
	04/06/10 16:10 CST		8.25K	Hail (2.00 in)
	04/06/10 16:10 CST		0	Source: Amateur Radio
Amateur radio operators reported thirteen skylight windows and some vehicles were damaged at the Starmont High School.				
CLAYTON COUNTY --- 2.1 WNW ELKADER [42.86, -91.44]				
	04/06/10 16:25 CST		0	Hail (1.00 in)
	04/06/10 16:25 CST		0	Source: Emergency Manager
FAYETTE COUNTY --- 0.5 W OELWEIN [42.68, -91.91]				
	04/06/10 16:42 CST		0	Hail (1.00 in)
	04/06/10 16:44 CST		0	Source: Trained Spotter
This storm also produced quarter sized hail on the southwest side of Oelwein.				
CLAYTON COUNTY --- 1.2 NW GARNAVILLO [42.88, -91.25]				
	04/06/10 16:50 CST		0	Hail (0.75 in)
	04/06/10 16:50 CST		0	Source: Trained Spotter
Trained spotters also reported some standing water as 1.5 inches of rail fell.				
FAYETTE COUNTY --- 1.5 E OELWEIN MUNI ARPT [42.68, -91.95], 2.0 W OELWEIN [42.68, -91.94]				
	04/06/10 16:51 CST		0	Hail (1.75 in)
	04/06/10 16:55 CST		0	Source: COOP Observer
Golf ball sized hail was also reported 1 mile west of Oelwein. Trained spotters continued to report golf ball sized hail through 1655 at an unreported location within the city of Oelwein.				
FAYETTE COUNTY --- 1.6 SW OELWEIN [42.66, -91.92], 2.0 SSW OELWEIN [42.65, -91.92], 2.0 SSW OELWEIN [42.65, -91.92], 1.4 SW OELWEIN [42.66, -91.92]				
	04/06/10 17:30 CST		0	Flood (due to Heavy Rain)
	04/06/10 19:20 CST		0	Source: Trained Spotter
A trained spotter in Oelwein reported a small local creek was out of its banks where it flows through the Oelwein city park. In other parts of the city, a lot of running water occurred with full drainage ditches and standing water was reported in yards, especially on the south side of the city.				

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CLAYTON COUNTY --- 1.7 NW READ [42.90, -91.37]				
	04/06/10 17:35 CST		0	Hail (1.00 in)
	04/06/10 17:35 CST		0	Source: Amateur Radio
Amateur radio operators reported hail covering the ground.				
Thunderstorms developed during the late afternoon of April 6th north of a slow moving warm front. These storms produced large hail across parts of Fayette and Clayton counties. The hail sized range from three quarters of an inch up to golf ball.				
CLAYTON COUNTY --- 0.2 NNW LITTLEPORT [42.75, -91.37], 0.3 N LITTLEPORT [42.75, -91.37], 0.3 NNE LITTLEPORT [42.75, -91.37], 0.3 NNE LITTLEPORT [42.75, -91.37], 0.3 NNE LITTLEPORT [42.75, -91.37], 0.3 N LITTLEPORT [42.75, -91.37], 0.2 NNW LITTLEPORT [42.75, -91.37]				
	04/06/10 21:30 CST		5K	Flood (due to Heavy Rain)
	04/07/10 02:30 CST		0	Source: River/Stream Gage
Two rounds of slow moving thunderstorms on April 6th into the 7th produced locally heavy rains across central and southern Clayton county. Reports from cooperative observers indicated around 3.5 inches of rain fell at Strawberry Point and just over 4 inches fell near Elkader. This heavy rain pushed the Volga River out of its banks at Littleport for a short period on the 6th and 7th.				
Slow moving thunderstorms on April 6th into the 7th produced locally heavy rain over central and southern Clayton County. This heavy rain caused the Volga River at Littleport to briefly top flood stage on the 6th and 7th.				
FLOYD COUNTY --- 3.1 W ROCKFORD [43.05, -93.03]				
	04/29/10 20:20 CST		0	Hail (1.00 in)
	04/29/10 20:20 CST		0	Source: Fire Department/Rescue
FLOYD COUNTY --- 2.5 NNW FLOYD [43.16, -92.79]				
	04/29/10 20:45 CST		0	Hail (1.00 in)
	04/29/10 20:45 CST		0	Source: Trained Spotter
A warm front lifted northward into southern Minnesota during the evening hours of April 29th. Scattered severe thunderstorms developed along the warm front and moved over northeast Iowa in the evening hours. The thunderstorms produced hail up to one inch in Floyd County.				
MINNESOTA, Southeast				
MOWER COUNTY --- 2.9 SSW VARCO [43.58, -93.00]				
	04/29/10 19:00 CST		1.50K	Thunderstorm Wind (EG 56 kt)
	04/29/10 19:00 CST		0	Source: Law Enforcement
Law enforcement reported large trees down across Highway 105 six miles south of Austin.				
A warm front lifted northward into southern Minnesota during the evening hours of April 29th. Scattered severe thunderstorms developed along the warm front and moved over southeast Minnesota in the evening hours. The thunderstorms knocked trees down onto Highway 105 six miles south of Austin in Mower County.				
HOUSTON COUNTY --- 0.3 NNE CALEDONIA [43.63, -91.50]				
	04/30/10 12:23 CST		0	Hail (0.75 in)
	04/30/10 12:23 CST		0	Source: Amateur Radio
HOUSTON COUNTY --- 2.8 WSW RIVER JCT [43.81, -91.37]				
	04/30/10 12:30 CST		5K	Thunderstorm Wind (EG 50 kt)
	04/30/10 12:30 CST		0	Source: Amateur Radio
Strong thunderstorm winds tore a roof off a shed across the street from the WXOW television station.				
A cold front moved across southeast Minnesota in the early afternoon hours of April 30th. Severe thunderstorms developed along the cold front and produced large hail and damaging winds in Houston County.				

WISCONSIN, Southwest

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WI-Z034) JACKSON				
	04/01/10 15:15 CST		0	Wildfire
	04/01/10 22:00 CST		0	
<p>A slow moving area of low pressure across southern Canada created several days of breezy and dry conditions across western Wisconsin. Average sustained wind speeds from March 30th through April 1st were 10 to 15 mph with the minimum relative humidity between 25 and 35 percent as reported by the automated weather observing equipment at both La Crosse and Sparta. These conditions allowed a large grass fire to develop just east of Melrose in southwest Jackson county. Local fire officials estimate the fire burned approximately 30 acres but no structures were damaged or injuries sustained. At one point, the flames were estimated to be shooting 17 feet into the air.</p>				
(WI-Z042) MONROE				
	04/14/10 15:00 CST		0	Wildfire
	04/15/10 01:00 CST		0	
<p>A nearly stationary area of high pressure from Hudson Bay Canada into the northeastern section of the United States produced several days of breezy and dry conditions across western Wisconsin. The automated weather observing equipment at Sparta recorded average sustained speeds around 10 mph out of the east to southeast on both the 13th and 14th of April. The minimum relative humidity averaged less than 25 percent from the 9th of April through the 14th. These conditions set the stage for a prescribed burn to get out of control and torch 97 acres northwest of Sparta in rural western Monroe county. No structures were damaged or injuries sustained from this fire.</p>				
(WI-Z033) TREMPPEALEAU				
	04/17/10 16:30 CST	1	0	Wildfire
	04/17/10 19:30 CST	2	0	
<p>A tractor ignited a cornfield south of Osseo in Trempealeau County in the early evening hours of April 17th. The wildfire fatally injured one individual and injured two others. Winds had increased to 15 mph with gusts up to 25 mph in the area that afternoon and evening. This combined with dry weather conditions the preceding two days enabled the wildfire to become uncontrollable.</p>				
Direct Fatalities: M83OU				
(WI-Z041) LA CROSSE, (WI-Z053) VERNON				
	04/19/10 12:36 CST		3K	Wildfire
	04/19/10 16:10 CST		0	
<p>A high pressure system centered over the Upper Midwest the previous two days produced very dry conditions over the area. This allowed the minimum relative humidity to fall into the 25 to 35 percent range, as reported by the automated weather observing equipment at the La Crosse and Viroqua airports in the afternoon hours of April 18th and 19th. The combination of the dry conditions and local wind effects enabled a control burn to become uncontrollable on the La Crosse County and Vernon County line on April 19th. The wildfire burned around 10 acres of grass.</p>				
LA CROSSE COUNTY --- 0.9 NW WEST LA CROSSE [43.86, -91.26]				
	04/30/10 12:44 CST		0	Hail (1.00 in)
	04/30/10 12:44 CST		0	Source: Amateur Radio
Amateur radio operators estimated quarter size hail on French Island in La Crosse.				
LA CROSSE COUNTY --- 1.3 WSW HOLMEN [43.97, -91.28]				
	04/30/10 12:47 CST		0	Hail (0.75 in)
	04/30/10 12:47 CST		0	Source: NWS Employee
A National Weather Service employee estimated three quarter inch hail in Holmen.				
LA CROSSE COUNTY --- 0.9 NE ONALASKA [43.89, -91.22]				
	04/30/10 12:50 CST		0	Hail (1.00 in)
	04/30/10 12:50 CST		0	Source: Trained Spotter
A trained spotter estimated one inch size hail in Onalaska.				
JACKSON COUNTY --- 0.5 W MERRILLAN [44.45, -90.84]				

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	04/30/10 13:28 CST		0	Hail (0.75 in)
	04/30/10 13:28 CST		0	Source: Trained Spotter

A trained spotter estimated three quarter inch hail in Merrilan.

TAYLOR COUNTY --- 0.9 NNE MEDFORD [45.14, -90.34]

04/30/10 13:57 CST	2.50K	Thunderstorm Wind (EG 61 kt)
04/30/10 13:57 CST	0	Source: Law Enforcement

Law enforcement reported trees down in the city of Medford.

TAYLOR COUNTY --- 0.7 N MEDFORD [45.14, -90.35]

04/30/10 14:00 CST	0	Thunderstorm Wind (EG 61 kt)
04/30/10 14:00 CST	0	Source: Amateur Radio

Amateur radio operators estimated a 70 mph wind gust in Medford.

TAYLOR COUNTY --- 2.8 NW RIB LAKE [45.35, -90.23]

04/30/10 14:08 CST	0	Thunderstorm Wind (EG 52 kt)
04/30/10 14:08 CST	0	Source: COOP Observer

A cooperative observer estimated a 60 mph wind gust four miles east of Westboro.

A cold front moved across western Wisconsin during the afternoon hours of April 30th. Severe thunderstorms developed along the front and produced hail up to the size of a quarter in La Crosse County and wind gusts up to 70 miles per hour in Taylor County.